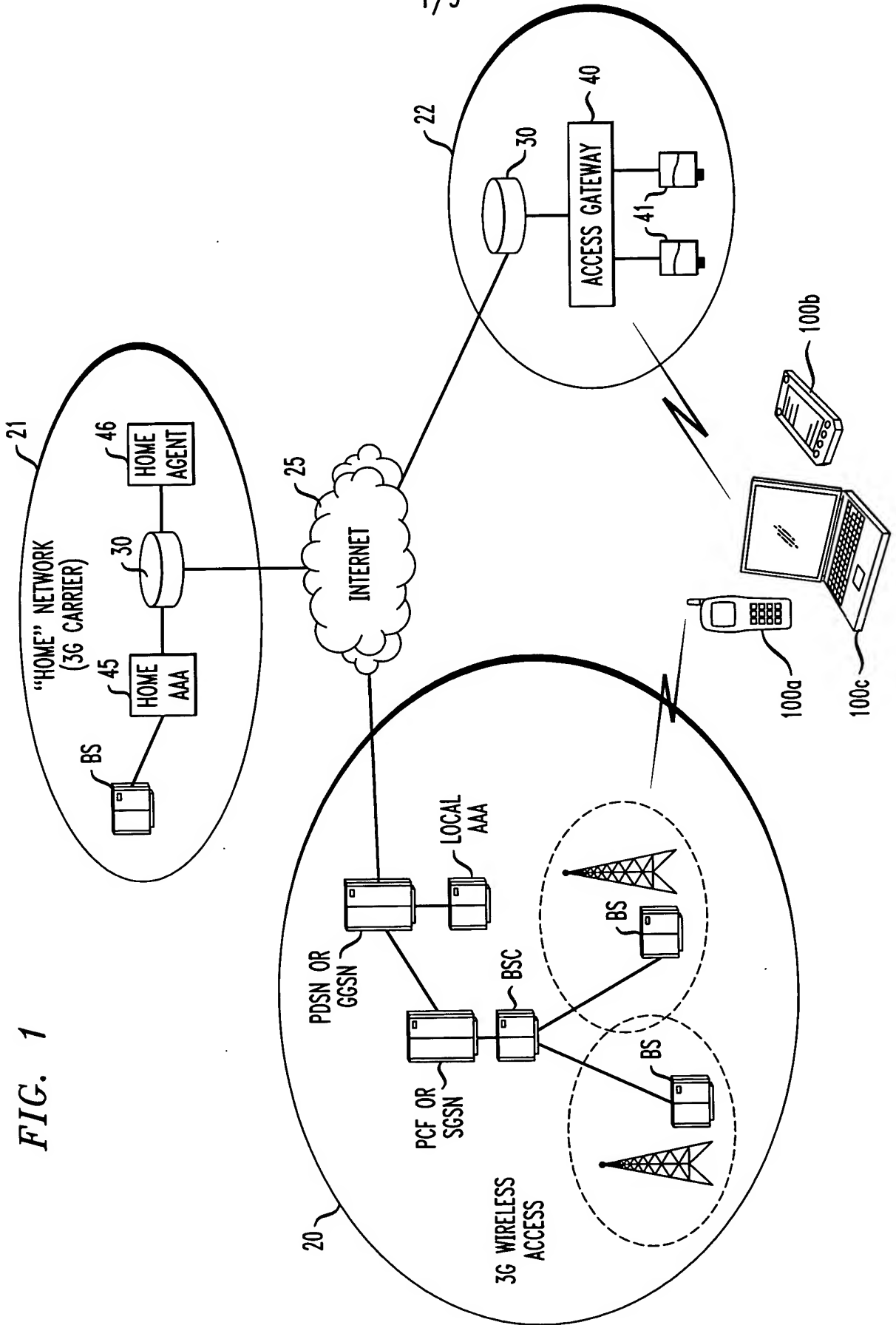




1/9



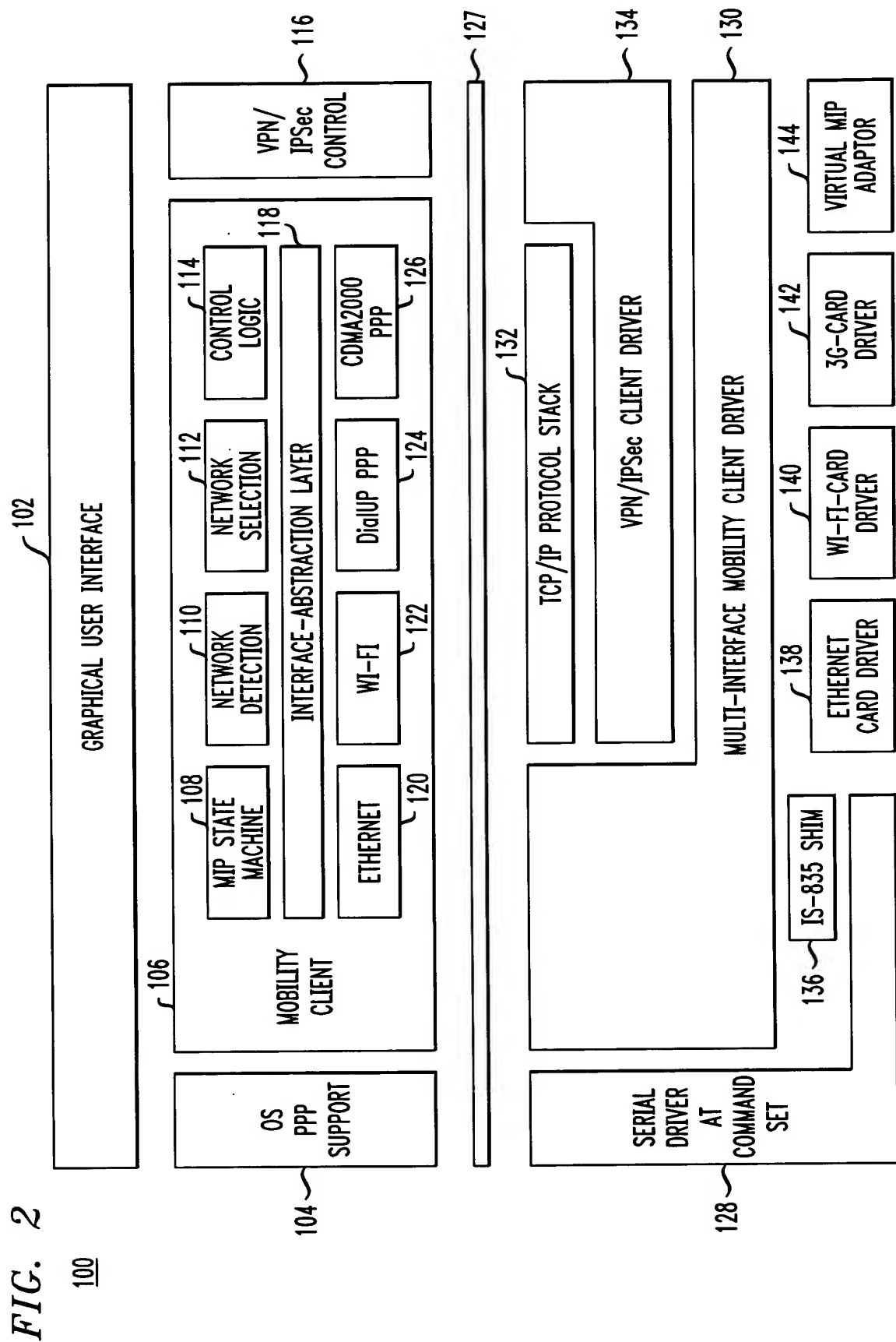
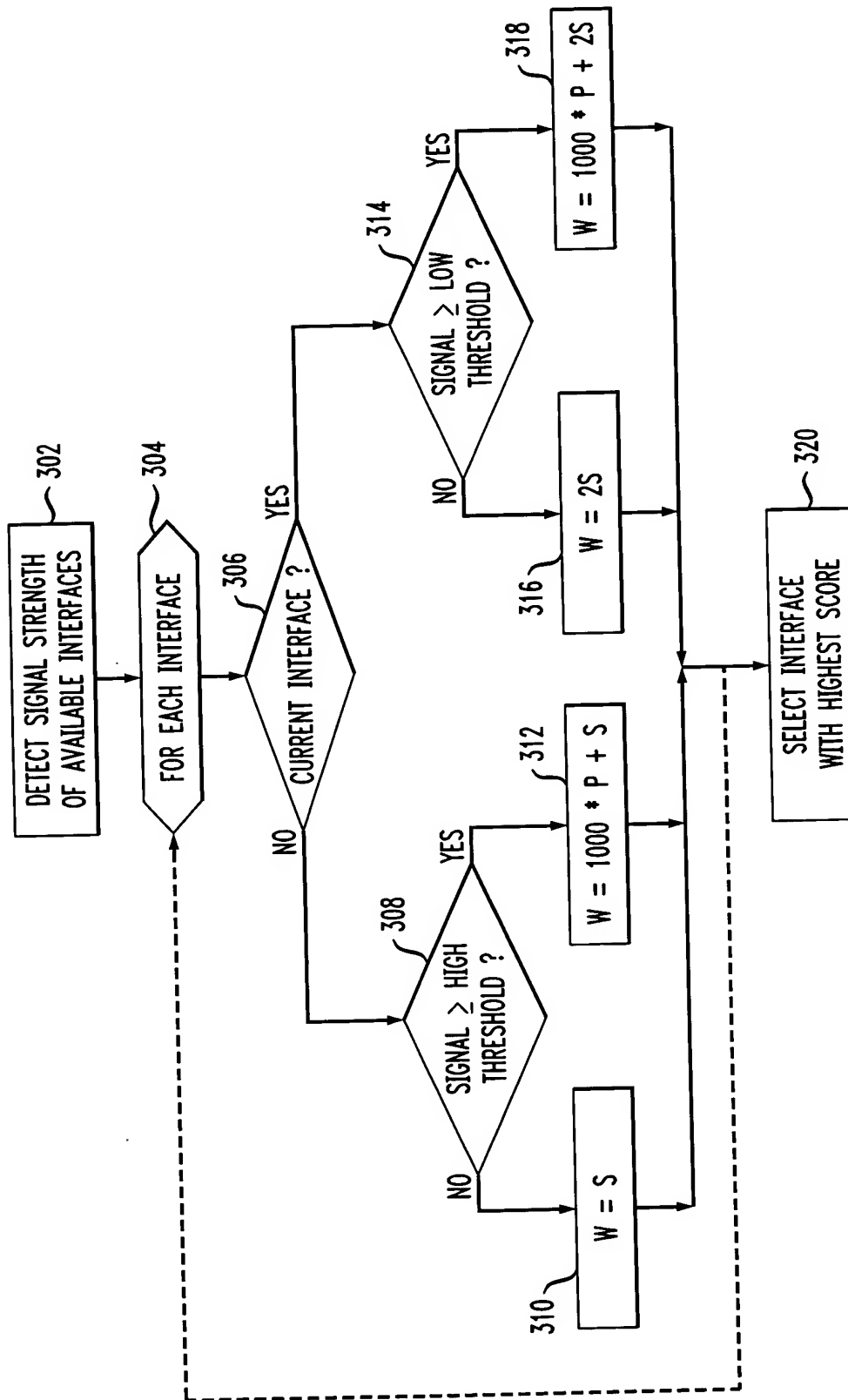




FIG. 3





**FIG. 5**

500

502	<div> <div>  802.11 - Mobile IP Monitor </div> <div> <div> <div>Actions</div> <div>Configuration</div> <div>Help</div> </div> <div>Mobile IP Client Monitor</div> </div> </div>	
503	<div> <div> <div>Network Status</div> <div> <div>802.11</div> <div> <div>Signal Strength</div> <div>74%</div> </div> <div> <div>State: Up</div> <div>ESSID: NEUTRON</div> </div> </div> </div> <div> <div>3G1X</div> <div> <div>Signal Strength</div> <div>N/A%</div> </div> <div> <div>State: N/A</div> <div>N/A</div> </div> </div> </div>	
504	<div> <div> <div>Registered on wavelan</div> <div> <div>Signal Strength</div> <div>N/A%</div> </div> <div> <div>State: Down</div> <div>100M</div> </div> </div> <div> <div>Ethernet</div> <div> <div>Signal Strength</div> <div>N/A%</div> </div> <div> <div>State: N/A</div> <div>N/A</div> </div> </div> </div>	
505	<div> <div> <div>802.11</div> <div> <div>Signal Strength</div> <div>74%</div> </div> <div> <div>State: Up</div> <div>ESSID: NEUTRON</div> </div> </div> <div> <div>3G1X</div> <div> <div>Signal Strength</div> <div>N/A%</div> </div> <div> <div>State: N/A</div> <div>N/A</div> </div> </div> </div>	
506	<div> <div> <div>Registered on wavelan</div> <div> <div>Signal Strength</div> <div>N/A%</div> </div> <div> <div>State: Down</div> <div>100M</div> </div> </div> <div> <div>Ethernet</div> <div> <div>Signal Strength</div> <div>N/A%</div> </div> <div> <div>State: N/A</div> <div>N/A</div> </div> </div> </div>	
507	<div> <div> <div>Mobile IP Status</div> <div> <div>NAI: girlshc@lucent.com</div> <div>Status: AT FOREIGN</div> <div>Mobile IP Addr: 135.180.132.7</div> <div>Home Agent: 135.180.132.2</div> <div>Foreign Agent: 135.180.132.246</div> <div>Reg. Lifetime: 300 sec.</div> </div> </div> <div> <div>Mobile VPN</div> <div> <div>VPN User: &lt;configured&gt;</div> <div>VPN Pass: *****</div> <div>VPN Status: Disconnected</div> <div> <div>UDP Encap: <input type="checkbox"/></div> <div>Port: 501</div> </div> <div>Connect</div> </div> </div> </div>	
508	<div> <div> <div>Mobile IP Status</div> <div> <div>NAI: girlshc@lucent.com</div> <div>Status: AT FOREIGN</div> <div>Mobile IP Addr: 135.180.132.7</div> <div>Home Agent: 135.180.132.2</div> <div>Foreign Agent: 135.180.132.246</div> <div>Reg. Lifetime: 300 sec.</div> </div> </div> <div> <div>Mobile VPN</div> <div> <div>VPN User: &lt;configured&gt;</div> <div>VPN Pass: *****</div> <div>VPN Status: Disconnected</div> <div> <div>UDP Encap: <input type="checkbox"/></div> <div>Port: 501</div> </div> <div>Connect</div> </div> </div> </div>	
509	<div> <div> <div>Mobile IP Status</div> <div> <div>NAI: girlshc@lucent.com</div> <div>Status: AT FOREIGN</div> <div>Mobile IP Addr: 135.180.132.7</div> <div>Home Agent: 135.180.132.2</div> <div>Foreign Agent: 135.180.132.246</div> <div>Reg. Lifetime: 300 sec.</div> </div> </div> <div> <div>Mobile VPN</div> <div> <div>VPN User: &lt;configured&gt;</div> <div>VPN Pass: *****</div> <div>VPN Status: Disconnected</div> <div> <div>UDP Encap: <input type="checkbox"/></div> <div>Port: 501</div> </div> <div>Connect</div> </div> </div> </div>	
510	<div> <div> <div>Mobile IP Status</div> <div> <div>NAI: girlshc@lucent.com</div> <div>Status: AT FOREIGN</div> <div>Mobile IP Addr: 135.180.132.7</div> <div>Home Agent: 135.180.132.2</div> <div>Foreign Agent: 135.180.132.246</div> <div>Reg. Lifetime: 300 sec.</div> </div> </div> <div> <div>Mobile VPN</div> <div> <div>VPN User: &lt;configured&gt;</div> <div>VPN Pass: *****</div> <div>VPN Status: Disconnected</div> <div> <div>UDP Encap: <input type="checkbox"/></div> <div>Port: 501</div> </div> <div>Connect</div> </div> </div> </div>	
511	<div> <div> <div>Mobile IP Status</div> <div> <div>NAI: girlshc@lucent.com</div> <div>Status: AT FOREIGN</div> <div>Mobile IP Addr: 135.180.132.7</div> <div>Home Agent: 135.180.132.2</div> <div>Foreign Agent: 135.180.132.246</div> <div>Reg. Lifetime: 300 sec.</div> </div> </div> <div> <div>Mobile VPN</div> <div> <div>VPN User: &lt;configured&gt;</div> <div>VPN Pass: *****</div> <div>VPN Status: Disconnected</div> <div> <div>UDP Encap: <input type="checkbox"/></div> <div>Port: 501</div> </div> <div>Connect</div> </div> </div> </div>	
512	<div> <div> <div>Mobile IP Status</div> <div> <div>NAI: girlshc@lucent.com</div> <div>Status: AT FOREIGN</div> <div>Mobile IP Addr: 135.180.132.7</div> <div>Home Agent: 135.180.132.2</div> <div>Foreign Agent: 135.180.132.246</div> <div>Reg. Lifetime: 300 sec.</div> </div> </div> <div> <div>Mobile VPN</div> <div> <div>VPN User: &lt;configured&gt;</div> <div>VPN Pass: *****</div> <div>VPN Status: Disconnected</div> <div> <div>UDP Encap: <input type="checkbox"/></div> <div>Port: 501</div> </div> <div>Connect</div> </div> </div> </div>	
513	<div> <div> <div>Mobile IP Status</div> <div> <div>NAI: girlshc@lucent.com</div> <div>Status: AT FOREIGN</div> <div>Mobile IP Addr: 135.180.132.7</div> <div>Home Agent: 135.180.132.2</div> <div>Foreign Agent: 135.180.132.246</div> <div>Reg. Lifetime: 300 sec.</div> </div> </div> <div> <div>Mobile VPN</div> <div> <div>VPN User: &lt;configured&gt;</div> <div>VPN Pass: *****</div> <div>VPN Status: Disconnected</div> <div> <div>UDP Encap: <input type="checkbox"/></div> <div>Port: 501</div> </div> <div>Connect</div> </div> </div> </div>	
514	<div> <div> <div>Mobile IP Status</div> <div> <div>NAI: girlshc@lucent.com</div> <div>Status: AT FOREIGN</div> <div>Mobile IP Addr: 135.180.132.7</div> <div>Home Agent: 135.180.132.2</div> <div>Foreign Agent: 135.180.132.246</div> <div>Reg. Lifetime: 300 sec.</div> </div> </div> <div> <div>Mobile VPN</div> <div> <div>VPN User: &lt;configured&gt;</div> <div>VPN Pass: *****</div> <div>VPN Status: Disconnected</div> <div> <div>UDP Encap: <input type="checkbox"/></div> <div>Port: 501</div> </div> <div>Connect</div> </div> </div> </div>	
515	<div> <div> <div>Mobile IP Status</div> <div> <div>NAI: girlshc@lucent.com</div> <div>Status: AT FOREIGN</div> <div>Mobile IP Addr: 135.180.132.7</div> <div>Home Agent: 135.180.132.2</div> <div>Foreign Agent: 135.180.132.246</div> <div>Reg. Lifetime: 300 sec.</div> </div> </div> <div> <div>Mobile VPN</div> <div> <div>VPN User: &lt;configured&gt;</div> <div>VPN Pass: *****</div> <div>VPN Status: Disconnected</div> <div> <div>UDP Encap: <input type="checkbox"/></div> <div>Port: 501</div> </div> <div>Connect</div> </div> </div> </div>	
516	<div> <div> <div>Mobile IP Status</div> <div> <div>NAI: girlshc@lucent.com</div> <div>Status: AT FOREIGN</div> <div>Mobile IP Addr: 135.180.132.7</div> <div>Home Agent: 135.180.132.2</div> <div>Foreign Agent: 135.180.132.246</div> <div>Reg. Lifetime: 300 sec.</div> </div> </div> <div> <div>Mobile VPN</div> <div> <div>VPN User: &lt;configured&gt;</div> <div>VPN Pass: *****</div> <div>VPN Status: Disconnected</div> <div> <div>UDP Encap: <input type="checkbox"/></div> <div>Port: 501</div> </div> <div>Connect</div> </div> </div> </div>	
517	<div> <div> <div>Mobile IP Status</div> <div> <div>NAI: girlshc@lucent.com</div> <div>Status: AT FOREIGN</div> <div>Mobile IP Addr: 135.180.132.7</div> <div>Home Agent: 135.180.132.2</div> <div>Foreign Agent: 135.180.132.246</div> <div>Reg. Lifetime: 300 sec.</div> </div> </div> <div> <div>Mobile VPN</div> <div> <div>VPN User: &lt;configured&gt;</div> <div>VPN Pass: *****</div> <div>VPN Status: Disconnected</div> <div> <div>UDP Encap: <input type="checkbox"/></div> <div>Port: 501</div> </div> <div>Connect</div> </div> </div> </div>	
518	<div> <div> <div>Mobile IP Status</div> <div> <div>NAI: girlshc@lucent.com</div> <div>Status: AT FOREIGN</div> <div>Mobile IP Addr: 135.180.132.7</div> <div>Home Agent: 135.180.132.2</div> <div>Foreign Agent: 135.180.132.246</div> <div>Reg. Lifetime: 300 sec.</div> </div> </div> <div> <div>Mobile VPN</div> <div> <div>VPN User: &lt;configured&gt;</div> <div>VPN Pass: *****</div> <div>VPN Status: Disconnected</div> <div> <div>UDP Encap: <input type="checkbox"/></div> <div>Port: 501</div> </div> <div>Connect</div> </div> </div> </div>	
519	<div> <div> <div>Mobile IP Status</div> <div> <div>NAI: girlshc@lucent.com</div> <div>Status: AT FOREIGN</div> <div>Mobile IP Addr: 135.180.132.7</div> <div>Home Agent: 135.180.132.2</div> <div>Foreign Agent: 135.180.132.246</div> <div>Reg. Lifetime: </div></div></div></div>	



FIG. 6  
600

602

Configure Profiles

604

606

608

610

612

614

NAI	Mobile Addr	HA Addr	Reg Life	R. Tun	MN-HA	MN-AA
salimv@lucent.com	135.180.132.14	135.180.132.2	600's	<input checked="" type="checkbox"/>	1000	Shared sec
girlshc@lucent.com	135.180.132.7	135.180.132.2	300's	<input checked="" type="checkbox"/>	1000	Shared sec
girlsh@ngn.lucent.com	192.168.45.36	192.168.45.35	300's	<input checked="" type="checkbox"/>	1000	Shared sec
test1@lucent.com	135.180.240.50	135.180.240.60	3000's	<input type="checkbox"/>	1000	Shared sec
teecy@lucent.com	204.178.25.182	204.178.25.177	3000's	<input checked="" type="checkbox"/>	1000	Shared sec
test2@lucent.com	204.178.25.179	204.178.25.177	3000's	<input checked="" type="checkbox"/>	1000	Shared sec
mip1@lucent.com	10.1.3.196	10.1.3.180	3000's	<input checked="" type="checkbox"/>	1000	Shared sec

Details

Add

Delete

Save

Cancel

**FIG. 7**

700

**Configure Profiles**

**Profile Details**

Profile Name: girlshc@lucent.com

Reg. Lifetime: 300 sec.

☐ Use reverse tunneling

**Mobile IP Address**

☐ Obtain IP address

**Home Agent Address**

☒ Home allocated address

☐ Foreign allocated address

**Home Agent Security Associations (MN-HA)**

SPI	KEY	Replay	Alg Mode
<input type="radio"/> 1000	1111111111111111	None	MD5 Pref+Suf
<input type="radio"/> 1001	1111111111111111	Timestamp	MD5 Pref+Suf
<input type="radio"/> 1002	1111111111111111	Nonces	MD5 Pref+Suf

**AAA Security Association (MN-AAA)**

☒ Shared secret: AAKEYAAAAKEY

☐ Password from login screen

☐ Secure ID

**VPN Setup...** 802.11 Setup...

Set Cancel



8/9

*FIG. 8*

800

A dialog box titled "VPN Parameter Setup" with a close button (X) in the top right corner. It contains five labeled input fields and two buttons at the bottom. The fields are: "Connection Name" with value "VPN-IOTA-HOLMDEL", "VPN Gateway" with value "192.11.222.50", "User ID" with value "girlshc", "Group Key" with value "\*\*\*\*\*", and "VPN Client Exe" with value "lucentipsecclnt.exe". The buttons are "OK" and "Cancel".

Field Label	Value	Reference
Connection Name:	VPN-IOTA-HOLMDEL	802
VPN Gateway:	192.11.222.50	804
User ID:	girlshc	806
Group Key:	*****	808
VPN Client Exe:	lucentipsecclnt.exe	810

Buttons: OK, Cancel

*FIG. 9*

900

A dialog box titled "Configure Interfaces" with a close button (X) in the top right corner. It contains several fields and a slider. The fields are: "Type" with value "802.11b", "Device" with value "66=4A61-BDFE-5080FE3DF5B1", "Desc." with value "Toshiba Wireless LAN Mini PCI Card - Packet Schedul", "Priority" with a slider set to 5, "Coloc Mode" with value "Autom.", and "ESSID" with value "essidFile". There is also a "Browse..." button next to the ESSID field. The buttons at the bottom are "Set" and "Cancel".

Field Label	Value	Reference
Type	802.11b	902
Device	66=4A61-BDFE-5080FE3DF5B1	904
Desc.	Toshiba Wireless LAN Mini PCI Card - Packet Schedul	906
Priority	5	908
Coloc Mode	Autom.	912
ESSID	essidFile	914

Buttons: Set, Cancel





9/9

FIG. 10

1000

1002                      1004                      1006                      1008                      1010

Wavelan ESSID Configuration Screen					X
ESSID	WEP Key	Key Index	Threshold	Priority	
NEUTRON	secu3	2	20	2	
ELECTRON	secu3	2	20	2	
Add      Modify      Remove      Save      Undo					

FIG. 11

